

*** STUDENT'S T - TEST ***

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

SLS-1 DPPT RFA VS RFA PLANTARIS MAST CELLS PER SQUARE CENTIMETER

Calculated F-ratio = 13.5189 with 4, 2 degrees of freedom.

The variances are equal since 13.5189 is less than 19.2500

*** R A W D A T A ***

	GROUP 1	GROUP 2
	-----	-----
1 ==>	296.9000	472.4000
2 ==>	260.8000	347.4000
3 ==>	286.7000	410.7000
4 ==>		522.7000
5 ==>		480.4000
N's ==>	3	5
Total ==>	844.4000	2233.6000
Means ==>	281.4667	446.7200
Sum of squares ==>	692.6867	18728.6680
Variances ==>	346.3433	4682.1670
Std deviations ==>	18.6103	68.4264

Calculated value of T = 3.9773 with 6 degrees of freedom.

The exact P-value is: 0.0073 or 99.27%

The samples DO differ significantly at the 5% level, ONE-TAILED.

The samples DO differ significantly at the 1% level, ONE-TAILED.

The samples DO differ significantly at the 5% level, TWO-TAILED.

The samples DO differ significantly at the 1% level, TWO-TAILED.

*** STUDENT'S T - TEST ***

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

SLS-1 DFPT RFR VS RFR PLANTARIS MAST CELLS PER SQUARE CENTIMETER

Calculated F-ratio = 2.5281 with 4 , 4 degrees of freedom.

The variances are equal since 2.5281 is less than 6.3900

*** R A W D A T A ***

	GROUP 1	GROUP 2
	-----	-----
1 ==>	325.9000	360.0000
2 ==>	396.8000	449.5000
3 ==>	327.8000	564.5000
4 ==>	476.8000	365.8000
5 ==>	382.1000	553.6000
N's ==>	5	5
Total ==>	1909.4000	2293.4000
Means ==>	381.8800	458.6800
Sum of squares ==>	15290.8680	38656.3880
Variances ==>	3822.7170	9664.0970
Std deviations ==>	61.8281	98.3061

Calculated value of T = 1.4787 with 8 degrees of freedom.

The exact P-value is: 0.1775 or 82.25%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

*** STUDENT'S T - TEST ***

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

SLS-1 DFPT RFA VS RFA PLANTARIS MAST CELL CONCENTRATIONS

Calculated F-ratio = 1.9569 with 2 , 4 degrees of freedom.

The variances are equal since 1.9569 is less than 6.9400

*** R A W D A T A ***

	GROUP 1	GROUP 2
	-----	-----
1 ==>>>>	37.7000	46.3000
2 ==>>>>	31.3000	40.3000
3 ==>>>>	43.0000	49.7000
4 ==>>>>		50.7000
5 ==>>>>		49.0000
N's ==>>	3	5
Total ==>>	112.0000	236.0000
Means ==>>	37.3333	47.2000
Sum of squares ==>>	68.6467	70.1600
Variances ==>>	34.3233	17.5400
Std deviations ==>>	5.8586	4.1881

Calculated value of T = 2.8089 with 6 degrees of freedom.

The exact P-value is: 0.0308 or 96.92%

The samples DO differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples DO differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

*** STUDENT'S T - TEST ***

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

SLS-1 DFPT RFR VS RFR PLANTARIS MAST CELL CONCENTRATIONS

Calculated F-ratio = 37.0701 with 4 , 4 degrees of freedom.

The variances are UNEQUAL since 37.0701 is greater than 6.3900

*** R A W D A T A ***

	GROUP 1	GROUP 2
	-----	-----
1 ==>	44.0000	40.0000
2 ==>	50.0000	46.3000
3 ==>	41.3000	70.0000
4 ==>	45.3000	41.7000
5 ==>	47.0000	84.7000
N's ==>	5	5
Total ==>	227.6000	282.7000
Means ==>	45.5200	56.5400
Sum of squares ==>	42.4280	1572.8120
Variances ==>	10.6070	393.2030
Std deviations ==>	3.2568	19.8293

Calculated value of T = 1.2262 with 4 degrees of freedom.

The exact P-value is: 0.2874 or 71.26%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

*** STUDENT'S T - TEST ***

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

SLS-1 DFPT RFA VS RFA PLANTARIS ABNORMAL FIBERS PER SQUARE CENTIM

Calculated F-ratio = 4.3910 with 4 , 2 degrees of freedom.

The variances are equal since 4.3910 is less than 19.2500

*** R A W D A T A ***

	GROUP 1	GROUP 2
	-----	-----
1 ==>	94.5000	94.9000
2 ==>	133.3000	71.6000
3 ==>	100.0000	82.6000
4 ==>		178.4000
5 ==>		78.4000
N's ==>	3	5
Total ==>	327.8000	505.9000
Means ==>	109.2667	101.1800
Sum of squares ==>	881.5267	7741.4880
Variances ==>	440.7633	1935.3720
Std deviations ==>	20.9944	43.9929

Calculated value of T = 0.2921 with 6 degrees of freedom.

The exact P-value is: 0.7801 or 21.99%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

*** STUDENT'S T - TEST ***

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

SLS-1 DFPT RFR VS RFR PLANTARIS ABNORMAL FIBERS PER SQUARE CENTIM

Calculated F-ratio = 8.1250 with 4 , 4 degrees of freedom.

The variances are UNEQUAL since 8.1250 is greater than 6.3900

*** R A W D A T A ***

	GROUP 1	GROUP 2
	-----	-----
1 ==>	64.4000	63.1000
2 ==>	113.5000	35.9000
3 ==>	335.7000	96.8000
4 ==>	60.0000	111.4000
5 ==>	89.4000	139.2000
N's ==>	5	5
Total ==>	663.0000	446.4000
Means ==>	132.6000	89.2800
Sum of squares ==>	53402.6600	6572.6680
Variances ==>	13350.6650	1643.1670
Std deviations ==>	115.5451	40.5360

Calculated value of T = 0.7911 with 5 degrees of freedom.

The exact P-value is: 0.4648 or 53.52%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

*** STUDENT'S T - TEST ***

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

SLS-1 DFPT RFA VS RFA PLANTARIS ABNORMAL FIBER COUNTS

Calculated F-ratio = 3.4032 with 4 , 2 degrees of freedom.

The variances are equal since 3.4032 is less than 19.2500

*** R A W D A T A ***

	GROUP 1	GROUP 2
	-----	-----
1 ==>>>	12.0000	9.3000
2 ==>>>	16.0000	8.3000
3 ==>>>	15.0000	10.0000
4 ==>>>		17.3000
5 ==>>>		8.0000
N's ==>	3	5
Total ==>	43.0000	52.9000
Means ==>	14.3333	10.5800
Sum of squares ==>	8.6667	58.9880
Variances ==>	4.3333	14.7470
Std deviations ==>	2.0817	3.8402

Calculated value of T = 1.5305 with 6 degrees of freedom.

The exact P-value is: 0.1768 or 82.32%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

*** STUDENT'S T - TEST ***

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

SLS-1 DFPT RFR VS RFR PLANTARIS ABNORMAL FIBER COUNTS

Calculated F-ratio = 4.9144 with 4 , 4 degrees of freedom.

The variances are equal since 4.9144 is less than 6.3900

*** R A W D A T A ***

	GROUP 1	GROUP 2
1 ==>>>>	8.7000	7.0000
2 ==>>>>	14.3000	3.7000
3 ==>>>>	42.3000	12.0000
4 ==>>>>	5.7000	12.7000
5 ==>>>>	11.0000	21.3000
N's ==>	5	5
Total ==>>	82.0000	56.7000
Means ==>>	16.4000	11.3400
Sum of squares ==>>	878.1600	178.6920
Variances ==>>	219.5400	44.6730
Std deviations ==>>	14.8169	6.6838

Calculated value of T = 0.6961 with 8 degrees of freedom.

The exact P-value is: 0.5061 or 49.39%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

STUDENT'S T-TEST

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

DFPT RFA VS RFA PLANTARIS LIGHT MUSCLE FIBER RATIOS

muscle area
Body wgt

Calculated F-ratio= 4.6996 with 2 , 4 degrees of freedom.

The variances are equal since 4.6996 is less than 6.9400

RAW DATA

	<u>GROUP 1</u>	<u>GROUP 2</u>
1====>	8.6000	6.7000
2====>	6.3000	6.7000
3====>	7.6000	5.4000
4====>		6.2000
5====>		6.3000

N's	====>	3		5
Total	====>	22.5000		31.3000
Mean	====>	7.5000		6.2600
Sum of squares	====>	2.6600		1.1320
Variances	====>	1.3300		0.2830
Std deviations	====>	1.1533		0.5320

Calculated value of T= 2.1358 with 6 degrees of freedom.

The exact P-value is: 0.0766 or 92.34%

The samples DO differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.